**IT Applications, Unit 4**

**Ch 6, Developing a solution using spreadsheet software, p 192-195**

Case Study: Point Pleasant Social Service Program – organisational outline and current practice

Read the case study:

1 Complete the think about IT, 6-3 activity:

1. Which current practices at Point Pleasant High School have led to inaccurate information?

The possibility of losing receipts and inaccurately entering information – human error.

1. What types of validation errors might occur using the current information processing methods?

There is no range check or way of making sure of the accuracy of the data other than the person entering it.

Analysing the problem

1. in the analysis stage there are three parts, elaborate under each of the following:
   1. define the problem

There are errors from manual entering of data.

* 1. solution requirements

Needs to create a spread sheet enabling accurate data entry and validation.

* + 1. what is the difference between functional and non-functional attributes

Functional attributes are what the solution must be able to do where-as non-functional attributes are things like user-friendliness, readability, portability, robustness and maintainability.

* 1. constraints
     1. list the constraints

The constraints of the solution are cost, time and effort, speed of processing, requirement of users, legal requirements, security, and compatibility, level of expertise, capacity and availability of equipment.

* 1. scope of solution
     1. Describe the scope or the extent of the solution.

It refers to the requirements of the solution, for example the accuracy of data by including examples of the receipts showing date, form group etc. A list of the form groups and teachers, and the requirements of the awards.